

## Attachment 4: Budget

### Mojave Water Agency Integrated Regional Water Management Plan Proposition 84 Round 2 Planning Grant Application

#### Budget Description

Line items in the budget correspond directly to tasks outlined in the Work Plan. Dollar amounts were derived by estimating the labor rates and number of hours needed for a consultant to conduct each task, plus other direct costs associated with the task (such as travel expenses or print materials).

**Table 4A** shows the Budget Summary for each task, including requested State funding, Non-State funding match, and budget total.

**Table 4B** shows the Budget Detail for tasks and sub-tasks, including the estimated hours and labor rates for proposed work, plus other direct costs.

#### Cost Share

We are requesting **\$959,117** in State Proposition 84 grant funding, or approximately 74% of the total Project Budget of **\$1,293,446**. The non-State share of **\$334,329** may come entirely from Federal funds contributed by the U.S. Bureau of Reclamation (Reclamation). We currently have an application in process with Reclamation for the entire non-State share. The Federal contribution would come in the form of funds allocated toward Reclamation's staff to perform specific tasks in the Work Plan. Most of Reclamation's funding contribution will be focused on four tasks within the work plan, with about an 8% Federal contribution toward all other tasks. Proposed Federal involvement in specific tasks is shown below:

<b><u>BUDGET/TASK CATEGORY</u></b>	<b><u>\$ AMOUNT</u></b>	<b><u>% OF TASK</u></b>
<b>Federal Contribution—All Tasks</b>	<b>\$ 334,329</b>	<b>26%</b>
Task 3.5: Update Chapter 4, Water Supply	\$ 5,762	30%
Task 3.9: New Chapter, Climate Change Analysis	\$ 95,569	95%
Task 3.10: Update Chapter 7, Water Conservation & DMM's	\$ 18,533	70%
Task 3.11: New Chapter, Integrated Flood Management	\$ 135,873	95%
Federal Contribution—All Other Tasks	\$ 78,592	8%
<b>State Contribution—All Tasks</b>	<b>\$ 959,117</b>	<b>74%</b>
<b>TOTAL PROJECT BUDGET</b>	<b>\$1,293,446</b>	<b>100%</b>

In the event that Federal funding is not awarded toward the IRWMP update, the non-State funding match will be provided by MWA. We expect to be informed by mid-April, 2012 whether a Federal funding award has been granted. The following tables provide more detail on the proposed project budget.

**TABLE 4A: BUDGET SUMMARY**

TASK/BUDGET CATEGORY	NON-STATE FUNDING MATCH	REQUESTED GRANT FUNDING	TOTAL
<b>TASK 1: MEETINGS &amp; STAKEHOLDER OUTREACH</b>	<b>\$17,407</b>	<b>\$228,559</b>	<b>\$245,965</b>
1.1: Technical Advisory Committee	\$6,470	\$58,230	\$64,700
1.2: Public Workshops	\$1,923	\$17,307	\$19,230
1.3: MWA Board of Directors / PRT Committee	\$3,725	\$33,525	\$37,250
1.4: Disadvantaged Communities (DACs)	\$2,428	\$21,848	\$24,275
1.5: Facilitator for Stakeholder Groups	\$0	\$71,900	\$71,900
1.6: Meetings with MWA Staff	\$2,861	\$25,749	\$28,610
<b>TASK 2: SALT/NUTRIENT MANAGEMENT PLAN</b>	<b>\$16,979</b>	<b>\$322,606</b>	<b>\$339,585</b>
2.1: Stakeholder participation	\$1,763	\$33,488	\$35,250
2.2: Review/assemble existing data & research	\$1,664	\$31,611	\$33,275
2.3: Update and Run Water Quality Model	\$5,100	\$96,900	\$102,000
2.4: Salt/Nutrient Characterization	\$2,565	\$48,735	\$51,300
2.5: Monitoring & reporting plan	\$942	\$17,893	\$18,835
2.6: Implementation measures	\$799	\$15,176	\$15,975
2.7: Recycled water & storm water use/recharge	\$1,149	\$21,826	\$22,975
2.8: Preliminary CEQA Analysis	\$635	\$12,065	\$12,700
2.9: Prepare plan for submittal to Water Boards	\$2,364	\$44,911	\$47,275
<b>TASK 3: PLAN UPDATE</b>	<b>\$269,550</b>	<b>\$320,760</b>	<b>\$590,310</b>
3.1: Evaluate Expanding the IRWM Planning Area Boundaries	\$1,308	\$24,857	\$26,165
3.2: Update Chapter 1, Introduction	\$466	\$8,859	\$9,325
3.3: Update Chapter 2, Agency and Stakeholder Background	\$568	\$10,787	\$11,355
3.4: Update Chapter 3, Physical Setting	\$510	\$9,681	\$10,190
3.5: Update Chapter 4, Water Supply	\$5,762	\$13,444	\$19,205
3.6: Update Chapter 5, Water Demand	\$470	\$8,921	\$9,390
3.7: New Chapter, Water-Related Needs of Disadvantaged Communities	\$1,539	\$29,232	\$30,770
3.8: Update Chapter 6, Water Shortage Contingency Planning	\$471	\$8,949	\$9,420
3.9: New Chapter, Climate Change Analysis	\$95,570	\$5,030	\$100,600
3.10: Update Chapter 7, Water Conservation and DMMs	\$18,533	\$7,943	\$26,475
3.11: New Chapter, Integrated Flood Management	\$135,874	\$7,151	\$143,025
3.12: Update Chapter 8, Stakeholder Assessment and Public Outreach	\$437	\$8,303	\$8,740
3.13: Update Chapter 9, Basin Management Objectives and Alternatives	\$6,349	\$120,626	\$126,975
3.14: Update Chapter 10, Management Actions	\$1,696	\$32,219	\$33,915
3.15: Update Existing Appendices to the IRWMP	\$0	\$14,370	\$14,370
3.16: Multimedia Executive Summary	\$0	\$10,390	\$10,390
<b>TOTALS</b>			
<b>SUBTOTAL</b>	<b>\$303,936</b>	<b>\$871,924</b>	<b>\$1,175,860</b>
<b>10% CONTINGENCY</b>	<b>\$30,394</b>	<b>\$87,192</b>	<b>\$117,586</b>
<b>GRAND TOTAL \$</b>	<b>\$334,329</b>	<b>\$959,117</b>	<b>\$1,293,446</b>

**TABLE 4B: BUDGET DETAIL**

TASK/BUDGET CATEGORY	Labor (Hours)						Total Labor Costs	Other Direct Costs	Subtotal	TASK TOTAL
	Principal	Project Manager	Project Engr/Sci	Graphics	Admin	Total Hours				
	\$235	\$195	\$175	\$125	\$125					
<b>TASK 1: MEETINGS &amp; STAKEHOLDER OUTREACH</b>										
<b>1.1: Technical Advisory Committee</b>										<b>\$64,700</b>
18 meetings @ 10 staff hrs each	90	90	90	30	18	318	\$60,450	\$4,250	\$64,700	
<b>1.2: Public Workshops</b>										<b>\$19,230</b>
3 meetings @ 10 staff hrs each	15	15	15	10	3	58	\$10,700	\$2,375	\$13,075	
Compile input received at public meetings	3	10	20			33	\$6,155		\$6,155	
<b>1.3: MWA Board of Directors / PRT Committee</b>										<b>\$37,250</b>
10 meetings @ 10 staff hrs each	50	50	50	20	10	180	\$34,000	\$3,250	\$37,250	
<b>1.4: Disadvantaged Communities (DACs)</b>										<b>\$24,275</b>
Prepare list of DACs & contacts	2	8	10			20	\$3,780		\$3,780	
3 meetings @ 10 staff hrs each	15	15	15	10	3	58	\$10,700	\$2,900	\$13,600	
Compile input received at DAC meetings	2	15	20			37	\$6,895		\$6,895	
<b>1.5: Facilitator for Stakeholder Groups</b>										<b>\$71,900</b>
24 meetings @ 10 staff hrs each	240	30			25	295	\$65,375	\$6,525	\$71,900	
<b>1.6: Meetings with MWA Staff</b>										<b>\$28,610</b>
52 conference calls @ 2 staff hrs each	52	52	20		10	134	\$27,110	\$1,500	\$28,610	
<b>TASK 2: SALT/NUTRIENT MANAGEMENT PLAN</b>										
<b>2.1: Stakeholder participation</b>										<b>\$35,250</b>
Compile input from stakeholders	10	70	60	40	10	190	\$32,750	\$2,500	\$35,250	
<b>2.2: Review/assemble existing data &amp; research</b>										<b>\$33,275</b>
Prepare memorandum summarizing existing data & work needed	5	30	150			185	\$33,275		\$33,275	
<b>2.3: Update and Run Water Quality Model</b>										<b>\$102,000</b>
Update STELLA Model with TDS and Nitrate data, and planning scenarios	10	90	250			350	\$63,650		\$63,650	
Run model to produce new outputs based upon data updates	10	50	150			210	\$38,350		\$38,350	
<b>2.4: Salt/nutrient characterization</b>										<b>\$51,300</b>
Prepare a draft report to stakeholders based upon modeling results	10	80	80	20		190	\$34,450	\$2,500	\$36,950	
Prepare maps showing modeling results	10		40	20		70	\$11,850	\$2,500	\$14,350	
<b>2.5: Monitoring &amp; reporting plan</b>										<b>\$18,835</b>
Identify stakeholders responsible for monitoring	4	15	15			34	\$6,490		\$6,490	
Draft monitoring plan	2	25	40			67	\$12,345		\$12,345	
<b>2.6: Implementation measures</b>										<b>\$15,975</b>
Figures, tables, and writeup summarizing implementation measures	5	40	40			85	\$15,975		\$15,975	
<b>2.7: Recycled water &amp; stormwater use/recharge</b>										<b>\$22,975</b>
Draft recycled water & stormwater use/recharge section	5	40	80			125	\$22,975		\$22,975	
<b>2.8: Preliminary CEQA Analysis</b>										<b>\$12,700</b>
Prepare Initial Study/CEQA checklist	5	20	40	5		70	\$12,700		\$12,700	

**Mojave Water Agency Integrated Regional Water Management Plan  
Proposition 84 Round 2 Planning Grant Application**

<b>2.9: Prepare plan for submittal to Water Boards</b>										<b>\$47,275</b>
Draft Salt/Nutrient Management Plan	8	30	70	30	5	143	\$24,355		\$24,355	
Conduct up to 4 meetings with Water Boards to present the SMP	2	20	20	10	5	57	\$9,745	\$3,500	\$13,245	
Final Salt/Nutrient Management Plan	10	10	20	10	5	55	\$9,675		\$9,675	
<b>TASK 3: PLAN UPDATE</b>										
<b>3.1: Evaluate Expanding the IRWM Planning Area Boundaries</b>										<b>\$26,165</b>
Summarize technical and political feasibility	10	20	30			60	\$11,500		\$11,500	
Compile input from TAC/stakeholders	2	10	15			27	\$5,045		\$5,045	
Update IRWMP chapters to reflect change in IRWM Planning boundary	2	20	30			52	\$9,620		\$9,620	
<b>3.2: Update Chapter 1, Introduction</b>										<b>\$9,325</b>
Update introduction text	2	28				30	\$5,930		\$5,930	
Update UWMP & GWMP checklists	2	15				17	\$3,395		\$3,395	
<b>3.3: Update Chapter 2, Agency and Stakeholder Background</b>										<b>\$11,355</b>
Summarize 2004 IRWMP	2	18				20	\$3,980		\$3,980	
Update stakeholder information	4	23				27	\$5,425		\$5,425	
Update other portions, as appropriate		10				10	\$1,950		\$1,950	
<b>3.4: Update Chapter 3, Physical Setting</b>										<b>\$10,190</b>
Wastewater portion of Ch. 3 and other info as appropriate	4	25	25			54	\$10,190		\$10,190	
<b>3.5: Update Chapter 4, Water Supply</b>										<b>\$19,205</b>
Water supply info using 2010 UWMP data including any data updates	4	30	50			84	\$15,540		\$15,540	
Single-and multiple-dry year supply info from 2010 UWMP	4	5	10			19	\$3,665		\$3,665	
<b>3.6: Update Chapter 5, Water Demand</b>										<b>\$9,390</b>
Water demand info using 2010 UWMP data including any data updates	4	20	26			50	\$9,390		\$9,390	
<b>3.7: New Chapter, Water-Related Needs of Disadvantaged Communities</b>										<b>\$30,770</b>
Identify drinking water needs of DACs	2	20	20			42	\$7,870		\$7,870	
Develop potential projects/programs to address needs	4	20	30			54	\$10,090		\$10,090	
Evaluate projects/programs as part of broader evaluation in Task 2.12	4	30				34	\$6,790		\$6,790	
Document DAC water supply evaluation	2	15	15			32	\$6,020		\$6,020	
<b>3.8: Update Chapter 6, Water Shortage Contingency Planning</b>										<b>\$9,420</b>
Water shortage conting. info for MWA using 2010 UWMP data	2	5	10			17	\$3,195		\$3,195	
Retail water agencies' water shortage contingency plans		5	30			35	\$6,225		\$6,225	
<b>3.9: New Chapter, Climate Change Analysis</b>										<b>\$100,600</b>
Effects of climate change on regional water supplies	15	80	130	10		235	\$43,125	\$2,250	\$45,375	
Adaptability to climate change of infrastructure, mgt strategies, flood control	15	80	80	10		185	\$34,375		\$34,375	
GHG inventory of existing and proposed water management projects	10	50	50			110	\$20,850		\$20,850	
<b>3.10: Update Chapter 7, Water Conservation and DMM's</b>										<b>\$26,475</b>
DMMs & conservation info using 2010 UWMP including any data updates	5	40	100			145	\$26,475		\$26,475	
<b>3.11: New Chapter, Integrated Flood Management</b>										<b>\$143,025</b>
Review/compile existing flood mgt plans & activities	10	40	120			170	\$31,150	\$3,000	\$34,150	
Identify flood protection needs	10	40	120			170	\$31,150		\$31,150	
Develop & prioritize flood protection projects & programs	15	40	120			175	\$32,325		\$32,325	
Prepare flood mgt component of the IRWMP	10	20	100	20		150	\$26,250	\$2,000	\$28,250	
Stakeholder coordination	10	40	40			90	\$17,150		\$17,150	

**Mojave Water Agency Integrated Regional Water Management Plan  
Proposition 84 Round 2 Planning Grant Application**

<b>3.12: Update Chapter 8, Stakeholder Assessment and Public Outreach</b>										<b>\$8,740</b>
Update chapter/document work under Task 1	4	40				44	\$8,740		\$8,740	
<b>3.13: Update Chapter 9, Basin Management Objectives and Alternatives</b>										<b>\$126,975</b>
Work with TAC to revise BMOs	10	50		30	10	100	\$17,100	\$700	\$17,800	
Revise/reaffirm performance measures & evaluation criteria	5	30	30			65	\$12,275		\$12,275	
Identify & document water management issues	10	40	40			90	\$17,150		\$17,150	
Initial review of proj's/mgt alternatives, group alt's, prepare basic info for each	5	40	40			85	\$15,975		\$15,975	
Develop screening model	5	40	80			125	\$22,975	\$2,000	\$24,975	
Evaluate proj's/mgt alts using screening model & work with TAC	5	40	80			125	\$22,975	\$2,500	\$25,475	
Incorporate final project priorities and document actions taken under 2.12	5	20	40	10		75	\$13,325		\$13,325	
<b>3.14: Update Chapter 10, Management Actions</b>										<b>\$33,915</b>
Work with TAC & MWA staff to update management actions in Ch. 10	10	90	20			120	\$23,400		\$23,400	
Update financing plan	2	10				12	\$2,420		\$2,420	
Update implementation schedule	2	25	5	15		47	\$8,095		\$8,095	
<b>3.15: Update Existing Appendices to the IRWMP</b>										<b>\$14,370</b>
Add/Update appendices as appropriate	2	20	30	20		72	\$12,120	\$2,250	\$14,370	
<b>3.16: Multimedia Executive Summary</b>										<b>\$10,390</b>
Draft IRWMP summary video	2	5		40		47	\$6,445		\$6,445	
Final IRWMP summary video	2	5		20		27	\$3,945		\$3,945	
<b>TOTALS</b>										
<b>SUBTOTAL</b>	<b>788</b>	<b>2,009</b>	<b>2,811</b>	<b>380</b>	<b>104</b>	<b>6,092</b>	<b>\$1,129,360</b>	<b>\$46,500</b>		<b>\$1,175,860</b>
<b>10% CONTINGENCY</b>										<b>\$117,586</b>
<b>TOTAL \$</b>										<b>\$1,293,446</b>